

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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Term	Definition	Units
Mass		
Volume		
Capacity		
Weight		
Force		

**Formula**

Density Units (States of Matter)	
Solids	
Liquids	or
Gases	or

Use the table on page 141 to answer the following questions.

1. Which substance in the table is the most dense?
2. Is it a solid, liquid, or gas at room temperature?
3. Which substance is the least dense?
4. What is its physical state at room temperature?
5. Which physical state tends to be the most dense?
6. Name a liquid that is more dense than a solid.
7. Name the substance that is more dense than mercury.

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1. Answer.
  - A. Define mass.
  - B. How do you measure mass?
  - C. What units are used for "mass"?
2. Answer.
  - A. Define volume.
  - B. How do you measure the volume of a liquid?
  - C. How do you measure the volume of a solid?
  - D. How do you measure the volume of a gas?
  - E. What units are used for volume?
3. Complete the table.

Substance	Mass (g)	Volume (cm <sup>3</sup> )	Density (g/cm <sup>3</sup> )
aluminium	5.40	?	?
?	6.48	3.0	?
?	?	5.0	8.92